

REVERSE OSMOSIS SYSTEM

1,800 – 7,200 GALLONS PER DAY



An affordable line of RO systems designed with the end user in mind. All the features you need in a small footprint make this the perfect system for your application.



Modular Design

Save a Ton of Space! Wall and floor space are at a premium in medical and laboratory facilities. The NuStream Loop-Boss is an all in one, skid mounted package that holds everything you need and only takes up an approximate space 2' x 2'.

Conserves Water

Adjustable recirculation / reject recovery rates send less water down the drain.

Maximum Versatility

Expandable configuration makes it easy to increase output without the need for purchasing as additional RO.

Sample ports at each membrane allows for individual membrane profiling.

Rust Free Design

Powder coated aluminum frame keeps the system looking like new year after year. Free of brass, copper, and lead.

Single Phase

Multi-Functional Controller Offers All the Features You Need

Automatic membrane feed flush on start and stop.

Optional divert to drain on poor quality water.

Dry contacts for tank level and pretreatment lockout.

Readouts for water temperature and hours of operation. Alarms for high conductivity and low feed pressure.

Optional Facilities Management Communication

Communicates conductivity, system status, alarms, operation hours and temperature to the building control system.

Compact design takes up little floor space

NuStream's CGD series is built to last making high purity water for years.

Because we use stainless steel, powder coated aluminum frames and high-quality reinforced plastic, our RO systems won't rust.

Maintenance is minimal! Our energy saving polyamide fiberglass wrapped membranes will give you both high productivity and dissolved solids rejection.

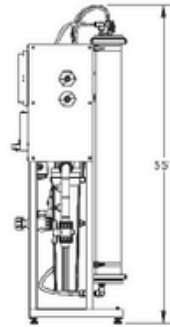
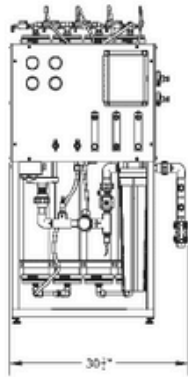
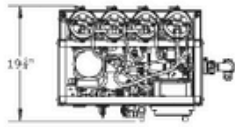
All products are designed and manufactured in the USA with pride. We listen and we care.

And all that equals a very high-quality customer experience.

ChemREADY, a Division of Zinkan Enterprises, Inc.

1919 Case Parkway North, Twinsburg, OH 44087

P 800-229-6801 F 330-425-8202 W www.GetChemREADY.com



| MODEL | CGD 14 | CGD 24 | CGD 34 | CGD 44 |
|---|---|--------|--------|--------|
| PERFORMANCE | | | | |
| Nominal Rejection | 99% | | | |
| Production (GPD)* | 1,800 | 3,600 | 5,400 | 7,000 |
| Product Flow (GPM)* | 1.2 | 2.5 | 3.7 | 5 |
| Recovery | 50% - 75% Adjustable | | | |
| ELECTRICAL | | | | |
| Single Phase | 120V, 20 Amp Dedicated Receptacle | | | |
| Horsepower / Amps | 1.5 HP 14.67 Amps | | | |
| MEMBRANES | | | | |
| Size | 4" x 40" | | | |
| Quantity | 1 | 2 | 3 | 4 |
| Type | Thin Film Nanocomposite | | | |
| Pressure Range (PSIG) | 120 - 160 | | | |
| FEED WATER REQUIREMENTS | | | | |
| Chlorine Tolerance | < 0.1 PPM | | | |
| Temperature | Maximum 113°F (45°C) | | | |
| Operating pH Range | 4 - 10 | | | |
| Feed Flow GPM | 2.5 | 5 | 7.5 | 10 |
| Pre-Filtration | 5 Microns | | | |
| Pressure Range (PSIG) | 30 - 80 | | | |
| Max. Fouling Index (SDI) | < 5.0 | | | |
| CONNECTIONS, DIMENSIONS and WEIGHT | | | | |
| Connections | In 3/4" FPT / Out 1/2" Tube / Drain 1/2" Tube | | | |
| Height, Width, Depth | 55" x 31" x 20" | | | |
| Operating Weight | Approx. 195 lbs. | | | |

*Based on production @ 77°F, 150psi, 1500 µS NaCl and 6.5-7.0 ph.
Permeate flow for individual elements may vary ± 15%.

ALSO AVAILABLE...

Reverse Osmosis

RO's ranging from 1,200 - 172,000 GPD
Larger custom systems per your spec.

Pretreatment

Softeners / Filters

Post Treatment

Filters / Electro-Deionizer
Ultra-Violet / Ozone

Accessories

Storage Tanks / Cartridges

Optional Pretreatment Choices

| Chemical Injection | Equipment |
|---|---|
| Pre-wired and pre-plumbed for NuStream's chlorine destruct, anti-scalant and membrane clean-in-place. | Full line of softeners, multi-media and backwashing carbons sized for your needs. |

TEMPERATURE CORRECTION FLOW RATES

| MODEL | 77°F / 25°C | 62°F / 17°C | 50°F / 10°C |
|--------|-------------|-------------|-------------|
| CGD 14 | 1.2 GPM | .9 GPM | .8 GPM |
| | 1,800 GPD | 1,440 GPD | 1,130 GPD |
| CGD 24 | 2.5 GPM | 2 GPM | 1.5 GPM |
| | 3,600 GPD | 2,800 GPD | 2,268 GPD |
| CGD 34 | 3.7 GPM | 3 GPM | 2 GPM |
| | 5,400 GPD | 4,200 GPD | 3,400 GPD |
| CDG 44 | 5 GPM | 4 GPM | 3 GPM |
| | 7,200 GPD | 5,544 GPD | 4,536 GPD |

About ChemREADY

ChemREADY, a Water Treatment Company has an extensive product line that has set the standard with specialty chemicals for nearly 50 years. Through expertise in a wide range of water treatment technologies and nationwide manufacturing and distribution locations, we are able to fill the widespread needs of our diverse customer base worldwide.

Our mission is to be the leading provider of treatment solutions, supplies and services for Water and Waste Water systems. We support this mission by providing chemicals, equipment, hands on service, expert consulting and training. Our goal is to ensure the highest level of service in the industry and the proper treatment of water from the moment it enters a facility to the point of discharge.

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